



WS2028E-4GS-24T Series

1U Rack-mounted

28-Port Gigabit and Fast Ethernet Mixed Layer 2 Unmanaged Industrial Ethernet Switch

- Supports 4 Gigabit optical ports (SFP slots) and 24 Fast Ethernet optical/electrical selectable ports
- Supports single or dual power supplies, with AC/DC power input options of 100 - 240VAC/DC, 24VDC, or 48VDC
- Operates in a wide temperature range of -40 to 75°C



Introduction

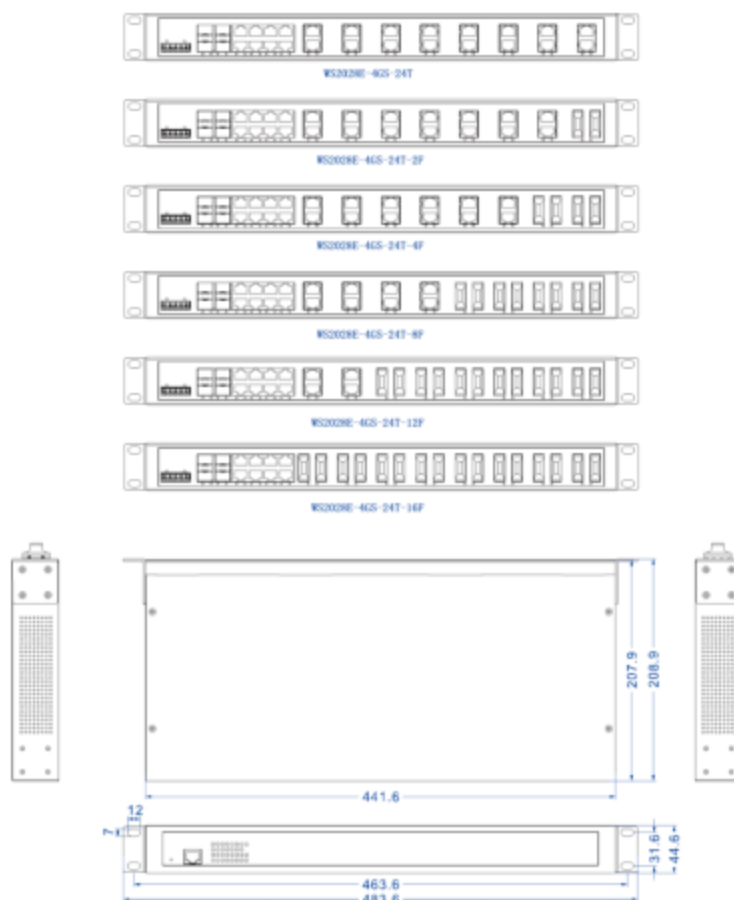
The WS2028E-4GS-24T series is a 28-port Gigabit and Fast Ethernet mixed Layer 2 unmanaged industrial Ethernet switch. There are six models in this series for selection, providing various interfaces such as Fast Ethernet electrical ports, Fast Ethernet optical ports, and Gigabit SFP slots. It supports single or dual power supplies with AC/DC power options and adopts a rack-mounted installation method, which can meet the requirements of different application sites.

The hardware is designed with a fanless, low-power consumption, wide-temperature, and wide-voltage structure. After passing strict tests that meet industry standards, it can adapt to industrial field environments with harsh EMC requirements and can be widely applied in industrial fields such as smart grids, rail transit, smart cities, safe cities, new energy, and intelligent manufacturing.

外观尺寸

Unit: mm

Note: All single-power supply panels can be optionally configured as dual-power supply panels



Specifications

Standards and Protocols	10Base-T, compliant with IEEE 802.3 100Base-TX and 100Base-FX, compliant with IEEE 802.3u 1000Base-X, compliant with IEEE 802.3z																					
Interfaces	Electrical Ports: 10/100Base-T(X), RJ45, with automatic flow control, full/half-duplex mode, and MDI/MDI-X auto-detection Optical Ports: 100Base-FX, selectable SC/ST/FC SFP Slots: 1000Base-X SFP																					
Indicators	Operating indicator, interface indicator, power indicator																					
Switching Attributes	Transmission Mode: Store-and-Forward MAC Address Table: 8K Buffer: 3Mbit Backplane Bandwidth: 12.8G Switching Delay: < 10μs																					
Power Supply	Supports single or dual power supplies, AC/DC power: - AC Power: 100 - 240VAC/DC, with 8A overcurrent protection - DC Power: 24VDC (12 - 36VDC), polarity-free - DC Power: 48VDC (36 - 48VDC), polarity-free																					
Power Consumption	<table><tr><th>Order number</th><th>No-load (@220VAC)</th><th>Full-load (@220VAC)</th></tr><tr><td>WS2028E-4GS-24T</td><td>6.9W</td><td>12.4W</td></tr><tr><td>WS2028E-4GS-24T-2F</td><td>8.2W</td><td>13.7W</td></tr><tr><td>WS2028E-4GS-24T-4F</td><td>9.5W</td><td>15W</td></tr><tr><td>WS2028E-4GS-24T-8F</td><td>12.1W</td><td>17.6W</td></tr><tr><td>WS2028E-4GS-24T-12F</td><td>14.7W</td><td>20.2W</td></tr><tr><td>WS2028E-4GS-24T-16F</td><td>17.3W</td><td>22.8W</td></tr></table>	Order number	No-load (@220VAC)	Full-load (@220VAC)	WS2028E-4GS-24T	6.9W	12.4W	WS2028E-4GS-24T-2F	8.2W	13.7W	WS2028E-4GS-24T-4F	9.5W	15W	WS2028E-4GS-24T-8F	12.1W	17.6W	WS2028E-4GS-24T-12F	14.7W	20.2W	WS2028E-4GS-24T-16F	17.3W	22.8W
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Operating Environment	Operating Temperature: -40 to 75°C Storage Temperature: -40 to 85°C Relative Humidity: 5% - 95% (non-condensing)																					
Mechanical Structure	Enclosure: IP30 protection level, metal enclosure Installation: 19-inch 1U rack-mounted Dimensions (Width × Height × Depth): 441.6mm × 44.6mm × 207.9mm																					
Industry Standards	IEC 61000-4-2 (ESD, Electrostatic Discharge Immunity),Level 4 Air Discharge: ±15kV																					



	● Contact Discharge: ±8kV IEC 61000-4-4 (EFT, Electrical Fast Transient Pulse Immunity), Level 4 ● Power Supply: ±4kV ● Ethernet Interface: ±2kV ● Relay: ±4kV IEC 61000-4-5 (Surge, Surge Impact Immunity),Level 4 ● Power Supply: Common Mode ±4kV, Differential Mode±2kV ● Ethernet Interface: ±4kV ● Relay: Common Mode ±4kV, Differential Mode ±2kV Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certifications	CE、FCC、RoHS
Warranty	5 years

Ordering Information

Order number	Gigabit SFP Slots	Gigabit SFP Slots	Fast Ethernet Electrical Ports	Power Supply (Single or Dual Power Supply Optional)
WS2028E-4GS-24T	4	—	24	100~240VAC/DC 24VDC (12~36VDC) 48VDC (36~48VDC)
WS2028E-4GS-24T-2F	4	2	22	
WS2028E-4GS-24T-4F	4	4	20	
WS2028E-4GS-24T-8F	4	8	16	
WS2028E-4GS-24T-12F	4	12	12	
WS2028E-4GS-24T-16F	4	16	8	

Company Introduction

Established in 2011, WideIoT is a leading provider of industrial Internet of Things products and industrial digital solutions. It focuses on offering products and solutions such as wireless data terminals, industrial intelligent gateways, equipment remote systems, and industrial application cloud platforms for equipment manufacturers, smart factories, and industry projects. It helps customers achieve digital operation management and tap new values in the industrial Internet.

The products of WideIoT are widely used in various industrial fields, including smart factories, equipment manufacturers, the environmental protection industry, the energy industry, municipal engineering, industrial automation, smart agriculture, and building intelligence. They are favored by top - tier domestic and foreign customers such as BOE, Foxconn, ASD, TCL, Schneider, Shanghai Electric, Shougang Group, Water Affairs Group, and Southern Power, as well as a large number of small and medium - sized enterprises.

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